



Sustainability Advisory Board Long Term Carbon Goals

January 25, 2021

1



Agenda

- Previous goals & progress
- Strategic alignment
- External carbon goals
- Potential policies
- Corresponding actions

2

Previous Carbon Goals: Sustainability Action Plan



20%



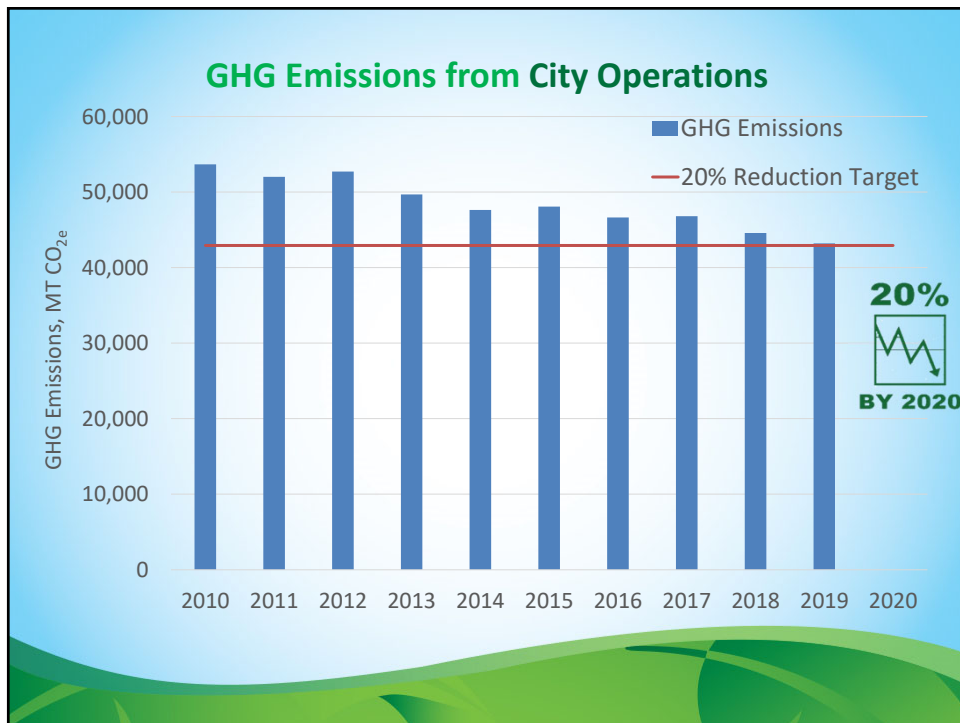
BY 2020

-  AIR QUALITY
-  ENERGY
-  TRANSPORTATION
-  WATER
-  WASTE & RECYCLING

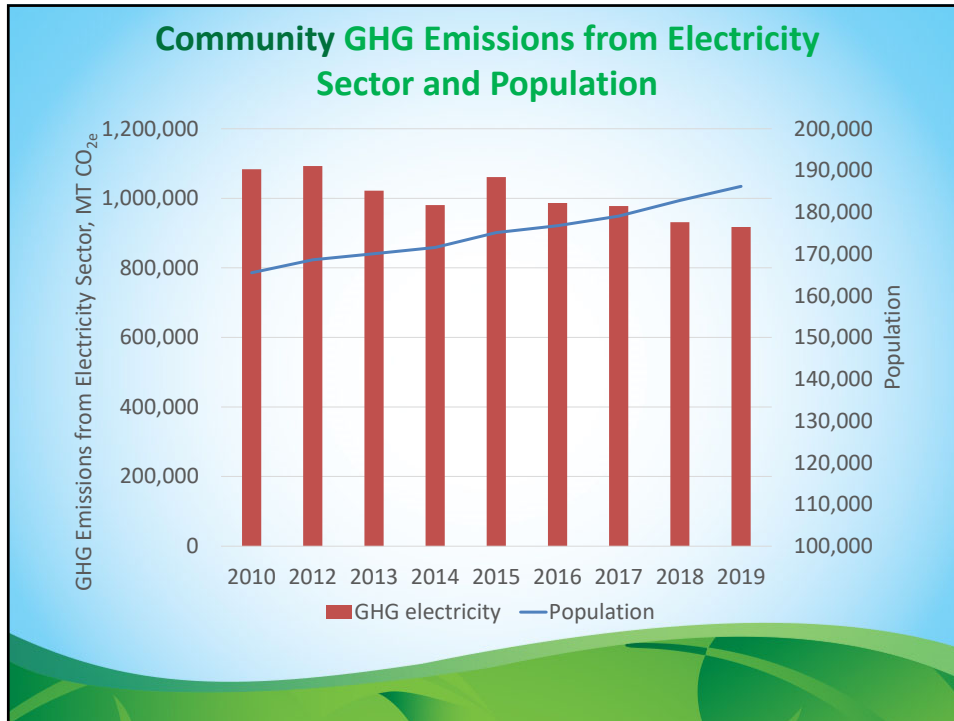


Promote community sustainability by protecting, preserving and restoring the natural environment through reducing the City's contribution of greenhouse gas emissions to the environment

3



4



5

Strategic Alignment: Press Play 2024 Strategic Plan

Infrastructure Focus Area

- **Goal 1: Build a sustainable and resilient community.**
 - Objective: Ensure climate change resiliency and implement local and regional strategies to reduce our carbon footprint
 - Objective: Promote energy efficiency and the expansion of renewable energy sources

Internal Support Focus Area

- **Goal 8: Build a leading government organization that manages all resources wisely and sustainably.**
 - Objective: Integrate sustainability and resiliency into daily operations



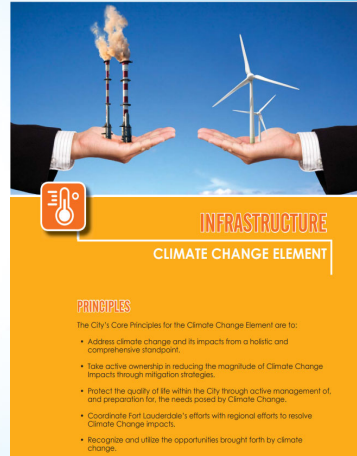
PRESS PLAY
FORT LAUDERDALE
Our City, Our Strategic Plan 2024

6

Strategic Alignment: Comprehensive Plan

- **Evaluation Measures**

- Reduce GHG emissions from City Operations by 80% by 2050 (EM CC 1.1.1)
- Source 20% of electricity from renewable energy by 2030 (EM CC 1.1.6)
- Reduce City vehicle fossil fuel use by 20% below 2015 levels by 2025 (EM CC 1.2.5)



- **Policies**

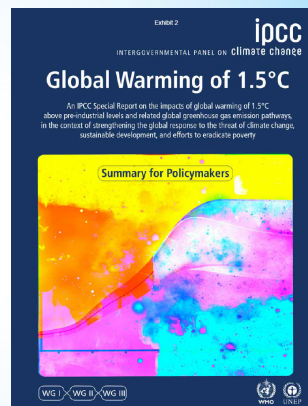
- Consider GHG emissions in decision making (Policy CC 1.1.2)
- Encourage mixed-use and other land-use policies that will reduce vehicle miles (Policy CC 1.2.6)
- Ensure multimodal options of transportation exist along key corridors (Policy CC 1.2.7)

7



External Carbon Goals

- IPCC 2018 - To avoid worst effects of climate change, carbon footprint must be reduced:
 - 45% reductions by 2030
 - Net zero by 2050



8




Policy Opportunities

- Set long term carbon goals
 - [Carbon Neutral Cities](#)
 - [Ready for 100 Pledge](#)
(8 Florida cities)
 - [Broward County pledge for Zero Emission Fleet by 2030](#)




9



Potential Policies

- Comp Plan: Reduce GHG emissions from City Operations by 80% by 2050 (EVALUATION MEASURE CC 1.1.1)
 - **Proposed Policy for Commission Consideration:**
Achieve Government operations net zero emissions by 2040 and community net zero emissions by 2050 (Ready for 100)

10



Potential Policies

- Comp Plan: Source 20% of electricity from renewable energy by 2030. (EM CC 1.1.6:)
 - **Proposed Policy for Commission Consideration:**
Require sourcing of 20% of electricity from renewable energy by 2030 through
 - Addition of solar with all roof replacements on existing facilities;
 - Requiring at least a 20% renewable energy contribution on all new facilities; and
 - Purchases of renewable energy credits

11



Potential Policies

- Comp Plan: Consider GHG emissions in decision making (Policy CC 1.1.2)
 - **Proposed Policy for Commission Consideration:**
Achieve 10% reduction in electricity usage in City Operations from 2020 to 2030 by investing in energy efficiency retrofits, energy management programs, and battery storage.

12



Potential Policies

- Comp Plan: Reduce City vehicle fossil fuel use by 20% below 2015 levels by 2025 (EM CC 1.2.5)
 - **Proposed Policy for Commission Consideration:** Achieve 50% of fleet as low emission, electric, and hybrid vehicles for all non-emergency vehicles with available alternative fuel models by 2030.

13



Potential Policies

- Comp Plan: Encourage mixed-use and other land-use policies that will reduce vehicle miles (Policy CC 1.2.6)
 - **Proposed Policy for Commission Consideration:** Incentivize mixed-use and other land-use policies that will reduce vehicle miles traveled through its land-use planning.

14



Potential Policies

- Comp Plan: Ensure multimodal options of transportation exist along key corridors (Policy CC 1.2.7)
 - **Proposed Policy for Commission Consideration:** Prioritize advocacy for and investment in multimodal transportation

15



Potential Policies

- **Proposed Policy for Commission Consideration:** Adopting ordinances, policies and programs to reduce emissions in the community such as requirements for:
 - Cool roof and cool hardscapes,
 - Solar ready buildings and electric charger ready parking,
 - Green building certification and/or features and
 - Energy disclosure and efficiency upgrades

16



Corresponding Actions

- Investment in renewables & efficiency
- Prioritizing at new and existing facilities
 - Energy efficiency
 - renewable energy
- Renewable energy credits



17



Corresponding Actions

- Potential ordinance changes
 - Cool roofs and hardscapes
 - [Miami Beach](#)
 - [City of Miami](#)
 - Green building requirements
 - [Miami Beach](#)
 - [City of Miami](#)



18



Corresponding Actions



- Potential ordinance changes
 - Energy benchmarking
 - [Orlando Building Energy & Water Efficiency Strategy](#)
 - [Miami Dade County Building Efficiency 305](#) (proposed ordinance)
 - Solar ready
 - EV ready



19



Discussion

- Questions and comments
- Other topics to include?
- Next steps

20